

0027

RAY
1969

2

IMMEDIATE
R.M.R

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start 630/1A 76.

70

✓ 1.R.76, 6928 0177
69° 51'S, 70° 28'E

✓ 1.R.77 6928
do

✓ 1.R.77
do

✓ 1.R.76
do

1.R.76.

MN

↑

27/1/69. Northern Payd, Bafton

? Bogd

? Svarthausen Nth

W/E Altimeter 150 at 12000. at camp.

photo 83/318/9108

638, Nunataks 220. Rock saddle.
north of line 220. two main
peaks. Pyrope ab. - field on c 300d
whisky banding of mafics. Spec
of typical - rock (spec 76) str
N 360, 85°W. A few bands of
dark pyrope abt 1 cm wide
Rock fairly fresh & ice
smoothed. Rock lithology uniform.

Further north, pyrope is less
common, abt more abundant, and
minor red garnet. Banding
is more distinct (spec 77)
a few lenses of blue-grey abt
a few cm wide, one
abt 1 m. wide, and some
discordant abt 1 m. abt 2 cm wide

Alt at Head is N^o 360, V. No
lineation visible.

Alt 520' at 1110. Alt 100'
higher. Peaks alt 250' higher
by estimate. Station on tongue
of rock projecting north from mass.

639. Peak 90. Not able to
some
Photo
ab638
find. Well banded Bayd
gneiss, alt alt same ^{NH}
as before, dip west, beds
20 m. thick. 1.2 m. cm
and calymds 50-100 m. thick
bands alternating with light
bands up to 1 m. wide
appar. Much rounded
but colored massive

= Westknatter
NK

Photo 83/318/8119 Helicopite beds
640. Peak 140 in Polar foraching
Glacier.

Rock is porphy. but gray, ^ω

some pinkish grey like
Collins Nth etc, but most
stained dark brown by iron
P then generally form 70-80%
and are usual blocking type
are abt 5 cm long. Exposure
slabby but brown rock
tends to be ~~all~~ broken
along surface, and parts of
one some of these frags at
downstream end of low
outcrop.

Fresh type seems to
grade into brown type, which
at first glance has a
chamochitic look. But
content of each abt 15%.

Moraine is mostly granite
types, m^g + e^g and purple
+ e^g, something but e^g
predomin.

Bands of glacial rock in
main mass, up to $\frac{1}{2}$ m

✓ I.R. 78 69280107
69°51'S 74°58'E

✓ I.R. 79 69280108
do

✓ I.R. 80 6928
do

Photos 1961/31, 32, 33, 34

M 86212

Cavities on summit.

Wide, no general trend.

Specs of lt colored gray
(spec 78) and dark (spec 79)
and of other grayish gray.
Type of dark (spec 80)

M862/2

Photo of site, 19631, 32

Abt. 1 ft (30 cm) in. (color 196134
A vein 5 cm wide, sharp
edge irregular with, at right
of my last granite.

Length 2 miles or more,
roundish, e. w. but gray
some conc. of b. at edge
grads. into lt gray opp.

196133 over 1-2 cm. Photo 800.

? Photo of vein (or Abt 160)

Photo 83/318/9119 s.w. Vastkatten

64. A 2 crop is seen on W side of
plain (see photo) (

over 1000 ft. 3 m.)

65.

C glaciolyses. Not landed
Rock - coarse-grained. Mostly
light colored - some
dark patches, esp on
downstream faces.

MEKNATTANE NUNATAK

Meknattane Nk = waterfall
viles

642. Point 160, east end of
P32 - Kavikdun gl.

Photo 83/318/8124

A thin - 2 mm. seems to be
prob. feld gran, but has
rather smaller and not
so coming on.

South end of mass looks
like contact zone. Most of
feld gran is irregularly banded
very no. 2 b. prob. on of
but (some b. do nicely).
bands general yellowish, but
bands alternate. It may probably be a

• 1R 6928
69°52'S 75°10'E

• 1R 22 6928
do

• 1R 83 A,B 6928
do

• 1R 84 6928
do

Abundance very variable but
abt 11000 bems common.
Also effused over, ~~in~~ ⁱⁿ size
m. wide, little but, ~~in~~ ⁱⁿ size
abt same dim but discolored
mostly. P. ls of green very
var. colored. Different
spherulitic, gross one to
another. — magnetic — "magnet
rock".

Some carbonaceous pyroclastic
feld. rock also, but
seems more to be of green.
Species ~~topaz~~ of plagioclase
(spec 81), but green
(spec 82) and pyroclastic
green (spec 83 = A+B).
Some plagioclase
little ~~but~~ ^{cont} clusters
up to 1 cm across of pinkish
garnet, some ~~are~~ ^{cont} ~~are~~ forming
up to 15% of rock. (Spec
1. R 84)

✓ 1. R Q S A 1

do

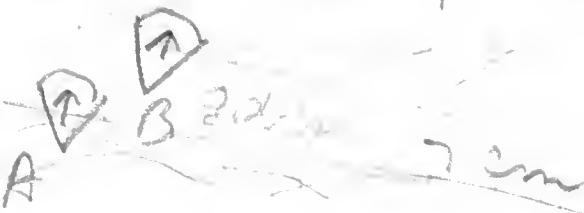
6928

6928

6928 0178

(C) *Dimidiata* cont'd

met
C 9.5 cm - 5 cm phen. !

baf 

✓ 1. 26. 6928 0179

69°52'S 75°10'E.

Non contact, greenish, no
regular banding^{83B}. band of
lt in dk or vice versa
up to 10 cm wide, N20, 40
ft. Quite uniform, unlike
further away where
contorting common

Chilled edge on N side of
saddle, N 36°, 20° E see sketch
just above a few.
A pass across contact
(Spec 25 A, B, C.)

Spec of granite from granite
point (Spec 26) seems
topped. A few biotite
lens nearby.

Alt 435 ft at 1345.

A few felsic veins in
main peak.

Photo 196136.

196136

Photos of sand + of man
mass (aerial)

1H of peak abt 650 by altm.
no one meeting like local but
some big blocks of c. q. but
?Cham, & 3 w. fels.

643. Pt 170 is slope of mountain
in sand with pink granite.
No Idr. 1961. ^{East} _{South} of
Photo 93/3c/9149 Meknattaw

Photo 93/3c/9161. Dodd Is
644. Point A., east of Palm Head
Rudom. 2am of field grass
+ bits in parts, as at 21 m.
Peak. Some QF grass +
no bits + grass, some dry
field grass. ^{very} ~~very~~ sandy
soil by bits in QF soil in
and by bands of PFS, ~~soil~~
little ~~soil~~ in

-1. A 2-1 69280180
69° 44' S 75° 34' E.

-1. A 2-1 69280181
do

and themselves. Wind.

Line of very fine island

N of Mt. C. Mikkelsen.

Good location on N 1/4 Q.,
but coming S E at about 20° .

For line visible on the
axis, dips generally SW at
 $20-30^{\circ}$, some near vert.
Some bands - a pliocene

M.W.E

or
first
M.W.E.

Slabby outcrop, ice smoothed
and scratched.

Abies of biot G.P. & Pinis
(spec 87) and Pyx. fedmuis
(spec 88).

A few of firs very predominant
& feld - a bit.

Parts of green, red G.P.,
brown also.

In one spot, is banded
but G.P. ^{is} slightly
folded, c. bands cut
across by felsic material
which seem identical to
felsic material bet. but. Red.
photo's. 2 caps.
Abt 3 cm wide & 2 cm high.

Photo of red bed ~~in~~ ^{on} ~~slab from~~ ⁱⁿ ~~in~~

Altin 3 ~~5~~ ft at 14 x 5.
Gravity on flat part of northern
slab.

NUNATAK 131

6x5, 3 m thick ^{1/2} Stein 15

photo's 23/3c/9167

1. 15 cm thick G.P. in c
Augen of bed up to 5 cm
mostly rounded. Parts look 

11.A89 69280182
69°42'S 75°41'E

typical Augen gneiss. Spec
(Spec 89) fairly typical, but
fewer Augen than average,
which is about 20%.

~~Formation 4150~~

Color N 150, 20° SW.

Common pegmatitic veins
in parts, but fed to the augen.
25+ biot plts

Some veins of -edaphic
normal to strike, 5 cm
wide, straight, uniform.

Augen not common in parts
and - see the 100's line
typical list of G.O.F.

A few biot rich bands
and some bands of pyroxene
gneiss, probably replaced by
biot.

Some gap, probably a thin
mica-schist, and an

✓ 1.RQD 69280183
69°42' S 75°41'E

✓ 1.RQD 6928
do

✓ 1.RQD 6928
do

to consist of several short
grains - & then then 3
c tipped over denticular
shape.

In a few other pieces
Angen are pink rather than
grey mostly in blot with
pink. (Spec 92)

Spec (Spec 93) of pink
feld - sand adjoining CQ =
and of - other weathered
brot - sand (spec 91)

Some bleaching, then
mylonitic shear in one
spot

1. R 9^o 69280184

69° 35'S 75° 24'E

Photo 93/3c/7170 Section 15.
616 Island 140 in group
SW of Bimini.

GPF and ls of GPF, with
good whips of ls, some
pebbles. 1/2" of ls bands
up to 5 cm thick, some
of which is ls ls with
interc. ls and some angular
ls. mafonite

Constant ab. N 35°, 25° E
possible variation pitching S
about 70°.

GPF mostly elong. maf
+ pinhead garnets, but
can see in places 2 mm
sized clusters of garnet
Spec of typical (spec 93)

On middle is well banded
but ~~by~~ held green bands
up to 5 cm, sharp edges

11.12.11. 69280185

63° 35'S 75° 22' E

limestone patching $\frac{5}{4}$ at
 70° prob represents
fold axes. ~~some~~
str. N 350 V

Rock in valley shattered into frags.

Spec of broken ~~limestone~~
with sand (Spec 94)

Q9F pruden type, no dry
or minor joints, and mostly
lighting permeable by limonite
eq. spec 93. Some white
or grey bands.

Much of surface shattered
into frags, possibly due to
shearing.

A q. abf fed vein cuts
normal to kar. though
Q9F + BP + galleries.

Some mylonite veins along
abf of Q9F cut acutely
across the place.

69 280186

M.R 95 A, B

69°32'S 75°38'E

Possibly a small part
normal to bird - sandy,
slightly coastal.

N.W. peak of island very dark - almost
black.

Other Islands of group similar to this
island from air.

647 Island 90 in is with Polynesians
photo Best off all I saw, no
9113B | 9084 spring good whip of Johnson
of 3 ft. some 3-4 in. thick
hard & upright; gam-
ma grass absent, except
along some bays
which look like rock
at the 646.

Specs of typical grass (Spec 95
A & B). Spec A is typical of
comp, but some is coarser
(than average). Spec B has
typical texture but more fibrous
than average. Much of it colored
green has a reddish tinge. 6

✓ 1A 96 69280187
62°32'5" 75°38'E

Photo M86214

Concordant & greenish in
this, of ~~only~~ bed exposed
at field edge is a thick
lens of a pale grey-
white sh. & is 10 ft. in
10 cm across bed.
Others are pale and
very bedded, with
thinings & 10 ft. thick.
Spec. Spec. is 10 ft.
of bed, except that
at bottom can see up
to 10 cm across. Green
is green & quite sharp.
Bottom fine to 2 m wide,
gradating in width. A
thin bed of white 3-10 cm.

At. is on. 7. N 350, 70 m.
S. to 10 ft. is fine.
Contd p. 12.

17
17 N 350, white & thin.
M 86214 ?

✓ 112.17 69280188
69°32'S, 75°32'E

Photos 192/1, 2, 3

197/6/2
Close up of same
(2 col) + of another
197/3 Green (1 col)
Species photos from gap cutting account.
Alt. 2300 at 1645. Grayite
resting in valley, 5 ft higher
than helicopter.
Oct 31 1972

6 by 40 ft. A few boulders
less than 1 in. thick,
one 1 in. cont. pieces of
grayite which is the first
(Spec 97) from south side
of valley in which landed.

69280130

1.R 98 A $69^{\circ}42' S$, $73^{\circ}46' E$
B
C
D
E
F

A
B
C
D
E
F

Aerial photo
M862/9, 10, 11,
12, 13.

↓
N

7/14/69

Hanson Is age det. specs.
Plate cont 73/318/9086

648. Specs for age det, all
coll, by explosive except
as indicated.

A. Biot. Splice. coll. by hammer.
Creamy, little biot.

Dyke prob. abt 1 metre wide
Contact c. posph gran not
visible. Good cross joints
and vert jt suggest dip very
steep west. Abt N 360.
Appears uniform in texture
and comp.

A few straight veins, 1-2
cm wide, of eq ph + feld., which
seem to cut across dyke.

Spec from top of steep
gully into sea.

20° from where spec

I.R. 923 6928 0131

collected, contact is dark
biot rock of spec B. Contact
sharp, c. margin to cm wide
of grains normal to contact
and coarser than rest of
dyke. Contact appears to
dip west at 15° . Strike
about N 40° . May have
been some movement of
rocks but not much, as
~~big blocks~~ more than 1 metre
across seen in place.

50' further along dyke,
dyke cut sharp edged
monoliths abt 15 cm long
and 5 in across of rock
like B.

B. c-mg. biot rich dolomite,
equigranular, massive.

1.R 92C 69280132

Spec coll 20' from A, 750'.
Contact slen above, but
at first 8 metres from
spilit dyke (above it).

Occ. as pile of blocks +
boulders, then to parph
2 m. It known but prob.
a sandwich. At Pith
alt. 3 m above and 10
metres E. of vertical
bending, alt N 360. Spec
here, higher part of 5' crop
~~not known~~ ~~prob~~

Tendency for weathering and
of lins (the ~~part~~ ^{spec A}) to be ~~gathered~~ ^{gathered} in
small fields to be ~~gathered~~ ^{gathered}
consider them as spec.

c. 10' from summit cam,
which bears N 230° is
(spall of or here)

eq. but gran & few phn
and more broken in
topped rock. Origin unknown
to topped & with root unknown
and forms widely ~~spaced~~
jld slabs of massive rock
and blocks $> \frac{1}{2}$ metre³.
Mass is abt 6 m long &
1 across, and appears to be
bounded by topsoil & sand
which is however almost
completely decomposed. One
small fls of possible
contd, abt 10 cm long,
both types were tested, but
contd to appear ~~in~~ p.
mass, which is ~~poor~~ a
thin skin, seems virgin
and massive enough
for scattered feld. phn.,
as in spec.

Then elong abt N 120°.

1R 98D 6928 0133

1R 98E 6928 0134

D. 15° from summit Cmn
which bears N 120, is
another in, generally
similar to one of spec C,
but abt 2 m across and
4 m long. Along N 120.
A slab abt 3 cm thick of
typical gray. 2 to 3 c. m.
thick, contact like p.
Cmn sp from sea by
weathered ground filled with
sh. d on other side.

E. 15° from Cmn, bearing S 60
N 29.5 is probably
of Spake, abt 3 m across,
cont minor boot. Surrounding
rocks doubtful, but on

1298F 6928 0135

north + west (mag) hills seem
to be best due to suns,
Appl. seems moderate + uniform
& scattered here. In some
parts bird is more common
and is in whistling shrubs,
seen in with most the sun

F. 10th from camp, which lies
N 86, typical granite
fairly fresh weather
producing very clean
gravel. Low cliff of C. rock
2-3 m. towards camp,
and 1 m. between
highest & highest
20th in N (mag). Pitch of
var. standard 5 m.

IR 986 6928 0136

away elongate, which if
projected would pass
2 in from broader block.
This stained rock could
represent a shear, but
I think, in it does not
seem sheared in the
upper. Parts are not so
well defined.

9. is from a gneiss which
gives N20°. Opposite granite
boulders part of bed is ~~broken~~^{broken},
which are common around
nearest stream 3' thick,
but small.

1298H ~~SL~~ 69280137

H. 60' bon corr which
beers^{N 105}, at top of last dip
down to low saddle. Wind
porph. gran. On this flat,
well fed N 360, v. its to 50
2 members apart. Kest
Tier. 4 m. down, v. and
patch of int. in s. b.
20 m across
Cross for several pts in
master jts, dips west.

IR 99A 69280138

A

16 x A
x B

A x B
(x C)

E

15/2/69

Landing Bluff age dts.

Bedrock of summit of antecap.

649. Spec coll by 1st series
when otherwise shown.

Spec nos spec 99 A-E

A. Plano-convex rock with granite,
2 more from same typical bould.
gram. Plano up to 10 cm long
& 5 cm wide, but most abt
4 cm long, and 1 - 1 1/2 cm wide
A very cont. mix of rock flakes,
small. Spec is typical of rock
for at least 15 m to west, 5 m
to west. Further west in 35 m
there are pinkish, & as the
plano-convex rocks very large boulders,
but old. Some fractured off old
in planos.

2 1/2 m to west is band 10
cm wide of broken rock
either a shear or more

photo M 86215.

likely a series of close joints
which have allowed
weathering. (Spec 99 A1).
Azimuth N 115° 75° E

Some rock faces are to
show alignment of bed
planes, one face dipping
E-W (one appears) has
vertical displacement, first no
parallelism of planes on
horizontal face on top of
it at 40°.

Begin to descend 11300.
See 10 m. from dip, then
20 m. towards plane & looking
for joints on this horizontal
bed it N 15° and dips N. W.
10 m. down - a little
dip in bed 4-5 deg makes

more like Photos of a

IR 99B or 69280139

B. Bearing to SW. with N 325
20° 12 m from edge of
rock. Rock is as is
that of A, but rather possibly
a little more common.
10 m. off from
I sand.

On bottom bedded
shells are east(?) and
possibly altered, dip south(?)
at 70°.

10 m towards south is
seen of dipping up to 5 m
high, - on each side
finer, greyish and just
rich for 5 m in center of.
Peg is pink. It is like
that in granite, & a very
best flint - & very much
after.

Only 3 m. long, lies fracture
N 10° and dipping west 60° 29

IR 990 6928 0140

Photos M 962/16,17.
19813.

c. I expect to see pinbrush
phen. ⁱⁿ the
area.

So you can see if
you like. ^{1/4 N 360.}

In this area there
is a lot of sand
but the only soil I can see
is the limestone.

5 m to south of rock contain-
ing patches of shale.
up to 10 cm across.

7 m to north of shale
is sand up to 2 m wide
at first on high ground
a sand. Can't tell if
phen. or perhaps a dry sand
but ^{1/20} sand has some shale
in it. ^{1/20} shale has some sand.

45° N. (Spec. 99 C 1)

Photos

(new & old)

MP62/16,17

198/3

30

1R99D 69280141

Photo M862119.
1984

D. falcatus (Linn.) LN 30.

be at least 3000 steps
done in the 30 min walk
can be less if 6 min breaks
sum total 11,000 and 12,000
steps off days. 10,000 steps.

On N. (T) all, grades
into typical granite, ~~and~~
~~dark grey~~ topsoil
bed 15 cm wide with
a. - due to ground mass
of granite but no fine gravel
seen at - on either side
granite well. 2 ft. st. but not
m86219
19814 ~~Rock~~ Rock 213.

right for the 3rd. of October
festivities, and a good time
will be had.

(E. Don Williams and
(Duke et al) and esp

1R99E 69280142

Photo M 86218

from it 6 of 2, 7. 2
of what looks to be normal
people for its size if
not more, a good deal
smaller. Fairly rounded
along a ridge, mass
of sand 40 cm. wide in
one place. Part of a granite
bed, but ~~not~~ ^{not} to
be so, but very ~~not~~ ^{not}
so, being at the top. Bright
yellow, sharply dep. for
granite but it is the st. and
yellowish. Top part
to south. A thin (1 cm)
fissile vein ~~is~~ ^{is} ~~in~~ ⁱⁿ the
granite to S. and west
soil. (Photo).

M 862118

1 P. 29F 69280143

Photos M862115-19

198/3,4.

Photograph

M862115

M862116 ~~Bottom of~~ dyke of 2 mm.
near C (2 mm), 2 mm
M862117 typical of C (below 2 cm)
19813
M862118 Dyke rock at E (below) and
M862119 dyke of D (between col).
19814 ~~Bottom of~~ mineral zone

Part of sample line,
red bed + 2 cm. thick yellow
bed. ~~Bottom~~ ~~Bottom~~ 2 cm. thick
bed above mineral zone
through rock. These
beds are 2 cm. thick + 2 cm.
in. in. thick and 2 cm. thick
yellow part. ~~Bottom~~ ~~Bottom~~
yellow layer of 2 cm. thick
of yellow. ~~Bottom~~ ~~Bottom~~ 2 cm.
(2 cm) ~~Bottom~~ ~~Bottom~~ 2 cm. thick
at bottom of yellow. (from near C)

Part of bed which is
in good condition

photons $m862/20^{-2}$

near (darker in) long
th. 99 D. 7.1.2.
than rock side, long
(at least 20 m. long)
fairly straight. On
the place are very
piles of sand rock
forming very natural,
smooth only on
middle.

Final photos of sites
M862/20-21

1R100A 6928.0144

650. Landers Bluff ~~as at~~
Spec nos 1A 100 A.

A. Sandstone, fine-grained
gray, white-feldspar.
Benton rock for 10 m.
a sand.

Probable about 5 m to
soil (T), tending east N 20
marked by feldspar 100
and some areas iron
manganese. Boulders
about 20 cm wide, dipping
out to E.

White or light gray
occas. mottled, 10 m to
SW (7) 15 cm thick, tend
N 40, V and possible
shale, 10 cm thick, 3 m to
5 m away

20 m to shirt(s) a band of
benton rock, N 320, 20 cm with

1R100B 692801X5

Opposite is village of ~~the~~
at $\frac{1}{2}$ m south of loc;
near this road there?

B. Very typical purple rock
gran, pinkish brown,
massive. Run for 20 m
at least each way along
cliff, and weathered boulders
of peat also seem typical.
Top is 3 m above base
of cliff, 15 m west (?) of
steep slope to east (?)
in which no, but rich
few bed phr sharp against
granite, but $\frac{1}{2}$ m across

1R100C 69280146

edge out 1 m west of
loc.

c. Abrahile dyke, outcrop
not good but seems
other sinuous line of
5 and 1130, dip west.
But 1 m. west of outcrop
with which is 30 m. ~~far~~
on SE (1) side of slope
down to mill. ~~bed~~
And near loc, base of
dyke changes from 1130
to N 60.

Pack down, upper
comp except for slight
changes in grain size and

Large irregular white
vein, max. 4 ft. up to
1 m. across, abt 5 cm
wide, gradually tapering
2 in by odds of best,
onto over 1 cm. of white
into black by change
of grain size 3 in - 2-3
cm.

Vein of massive white
gr. 3 cm. wide 2 ft.
ext. of dyke at loc.

Dyke seems to be some
thinner now to 2 ft.
abt 1 in, but crop poor.

Q. best with black 2 in
to 3 (T), some finer,
but few larger lamellae
on blacker to. S. seems
abt the same with

Extensive solution
may be going on to some
of the, land ~~permeable~~
N 30° E, and 2-3 m wide
rock along base of.

Dyke cut to the south is
quite angular. Dyke
does not crop out in
rock, is in cavity of
bedrock boulders etc.
on ~~southern~~ side with
a lot of sand, but these
picks are from out of
bedrock boulders defining zone.

Dyke mostly crops out
as base of boulders to
quite gravel on rock
bed. Cut & 2 m. in
area comprising of.

Feb 1962
Daily flight down
Hill Creek, 10 miles,
3140 ft. above sea level,
order 7.0, 1.7 m. apart
Meadow bottom.

Photos of valley from air
M 862/22, 23

Notes on rocks coll by
J. Barn from Amanda
Is. (Makah 110) by J.
Danson.

JB 82 by far the most
common.

JB 83 second most
common, esp on
northern island

JB 84 occurs as veins
on north part of northern
island, but not Ch. and
(Alt 10-15%).

